

Claims

1. (Canceled)

2. (Currently amended) The flexible hose of claim [37] 26 wherein the valleys are virtually eliminated and the sidewalls on opposite sides of a valley are generally in contact with each other when said flexible hose is in a retracted position.

3-9 (Canceled)

10. (Currently amended) The flexible hose according to claim [37] 26 wherein the conductive wire is stranded copper wire of a gauge in the range of about 10 to about 30 with a thermoplastic jacket as the insulation.

11. (Currently amended) The flexible hose according to claim [37] 27 wherein the second conductive wire[s] [are] is stranded copper wire of a gauge in the range of about 10 to about 30 with a thermoplastic jacket as the insulation.

12. (Canceled)

13. (Currently amended) The flexible hose according to claim [37] 11 wherein the helix comprises a steel wire.

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14-15 (Canceled)

16. (Currently amended) The flexible hose according to claim [37] 26 wherein the cross section of the helix is in the shape of a figure 8.

17. (Currently amended) The flexible hose according to claim [37] 27 wherein one of said conductors is a copper clad steel wire.

18-22 (Canceled)

23. (Currently amended) The flexible hose of claim [37] 26 wherein said hose has a pitch that is constant along the length of the hose.

24. (Canceled)

25. (Previously presented) The flexible hose according to claim 26 wherein said hose extends at least 100 percent over the fully retracted length of said hose when 10 pounds of pull is placed on an end of said flexible hose.

26. (Currently amended) A flexible hose for carrying fluids said hose being in a retracted condition when no tensile force is placed on said hose and in an extended condition when a

tensile force of a pulling nature is placed on a section of said hose, said hose consisting essentially of:[:]

a first end;

a second end;

a thermoplastic cover consisting essentially of a single layer of thermoplastic material having a thickness of between about 10 mil to 50 about mil wherein said thermoplastic cover further comprises an interior surface and an exterior surface;

a single helical member, capable of retaining its shape in said hose adhered to said interior surface of said thermoplastic cover, said helical member being comprised of a material capable of carrying a current of electricity said helical member being capable of extending when a tensile force of a pulling nature is applied and then retracting to roughly the original shape when a force is not applied said helical member having a gauge between 12 and 21;

a plurality of peaks and valleys in said thermoplastic cover caused by said helical member, said peaks having a distance between them, said helical member being interconnected by sidewalls that extend at an angle to the peaks and valleys wherein when said hose is in a retracted condition, the valleys generally U-shaped and when a pulling force is applied to a section of said hose, the valleys become wider and the angle of the sidewalls stay generally the same[.] ;

the distance from one peak to an adjacent peak in the hose is about 1/4" to 3/4" when there is no pulling force on a section of said hose and the distance from one peak to an adjacent peak is about 1/2" to 2" when a pulling force is placed on a section of said hose;

wherein the length of said hose in said extended condition is about two to about six times greater than the length in said retracted position; and

a conductor wire, capable of carrying a current of electricity with a gauge in the range of about 10 to about 30 said conductive wire being disposed on at least one side of said helical member said thermoplastic cover having been extruded around said conductive wire.

27. (Previously presented) The flexible hose according to claim 26 wherein there is a second conductive wire on the opposite side of said helical member, said thermoplastic material having been extruded around said second conductive wire.

28-37(Canceled)